

## artdaq Utilities - Feature #24420

### DAQInterface should call the TRACE stop script even if it doesn't receive the stop transition

05/14/2020 02:12 PM - John Freeman

<b>Status:</b>	Closed	<b>Start date:</b>	05/14/2020
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	John Freeman	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	0.00 hour
<b>Experiment:</b>	-	<b>Co-Assignees:</b>	
<b>Description</b>			
Currently, DAQInterface will only call the \$DAQINTERFACE_TRACE_SCRIPT with the "stop" argument if DAQInterface is sent the stop transition. However, there are scenarios where something pathological happens during the run s.t. DAQInterface doesn't receive the stop transition; when this happens it would be useful if DAQInterface could attempt to call \$DAQINTERFACE_TRACE_SCRIPT when it's cleaning up.			

#### Associated revisions

##### Revision 7b5eae8 - 05/14/2020 04:16 PM - John Freeman

JCF: Issue #24420: if we enter a recovery either when in the running state or the stopping state, source the trace script since it's only sourced otherwise at the end of a normal stop transition

##### Revision 695375e8 - 05/28/2020 02:15 PM - John Freeman

JCF: Issue #24420: make sure that even if there are no remaining artdaq processes on a node that the \$DAQINTERFACE\_TRACE\_SCRIPT still visit that node

#### History

##### #1 - 05/14/2020 04:19 PM - John Freeman

- % Done changed from 0 to 100
- Status changed from New to Resolved

With commit 7b5eae8b02249b6952071ec5dd6a393a970c92f on branch feature/24420\_trace\_script\_unclean\_stop, what happens now is that if the trace script is available one of the first things that happens if we enter a recovery when we're in the running or stopping state is that the script gets executed, since in this scenario it won't execute at its normal point (i.e., at the end of a successful stop transition).

##### #2 - 05/20/2020 05:09 PM - Gennadiy Lukhanin

- Status changed from Resolved to Rejected

Testing was performed on the Icarus cluster. I started a typical run 1673 with 6 TPCs running on 3 hosts. After the run was started correctly, I waited for a minute and killed a boardreader running on icarus-tpc07. The daqinterface went onto the "recover" transition, and the run was stopped. No trace file was generated on icarus-tpc07. However, trace files were generated on icarus-evb01, icarus-tpc08, and icarus-tpc10.

```
-rw-rw-r-- 1 icarus E-1052      177 May 18 17:09 r1671.start
-rw-rw-r-- 1 icarus E-1052 12713023 May 18 18:48 r1671.icarus-evb01.trc
-rw-rw-r-- 1 icarus E-1052      177 May 18 18:48 r1671.stop
-rw-rw-r-- 1 icarus E-1052      177 May 18 18:54 r1672.start
-rw-rw-r-- 1 icarus E-1052 12653573 May 20 14:18 r1672.icarus-evb01.trc
-rw-rw-r-- 1 icarus E-1052      177 May 20 14:18 r1672.stop
-rw-r--r-- 1 icarus E-1052      123 May 20 16:26 r1673.start
-rw-r--r-- 1 icarus E-1052      105 May 20 16:29 r1673.stop
-rw-rw-r-- 1 icarus E-1052  5954859 May 20 16:29 r1673.icarus-evb01.trc
16:33:40icarus@icarus-evb01:/scratch_local/traces

-rw-rw-r-- 1 icarus E-1052 14492260 May 18 18:48 r1671.icarus-tpc07.trc
-rw-rw-r-- 1 icarus E-1052 14491997 May 20 14:18 r1672.icarus-tpc07.trc
16:33:40icarus@icarus-tpc07:/scratch_local/traces

-rw-rw-r-- 1 icarus E-1052 14433017 May 18 18:48 r1671.icarus-tpc10.trc
-rw-rw-r-- 1 icarus E-1052 14400143 May 20 14:18 r1672.icarus-tpc10.trc
-rw-rw-r-- 1 icarus E-1052   852348 May 20 16:29 r1673.icarus-tpc10.trc
```

```
16:33:40icarus@icarus-tpc10:/scratch_local/traces
```

```
-rw-rw-r-- 1 icarus E-1052 14487644 May 18 18:48 r1671.icarus-tpc08.trc  
-rw-rw-r-- 1 icarus E-1052 14487705 May 20 14:18 r1672.icarus-tpc08.trc  
-rw-rw-r-- 1 icarus E-1052 6766416 May 20 16:29 r1673.icarus-tpc08.trc  
16:33:40icarus@icarus-tpc08:/scratch_local/traces
```

### **#3 - 05/28/2020 04:55 PM - Gennadiy Lukhanin**

- *Status changed from Rejected to Resolved*

The last commit 695375e8 resolved this issue. I've confirmed that traces are captured on all hosts. Testing was done on the Icarus cluster.

### **#4 - 05/28/2020 04:56 PM - Gennadiy Lukhanin**

- *Status changed from Resolved to Reviewed*

### **#5 - 11/30/2020 12:33 PM - Eric Flumerfelt**

- *Status changed from Reviewed to Closed*